(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 9 June 2005 (09.06.2005)

PCT

(10) International Publication Number WO 2005/051204 A1

(51) International Patent Classification⁷: A61B 17/04

(21) International Application Number:

PCT/AU2004/001674

(22) International Filing Date:

26 November 2004 (26.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2003906592

27 November 2003 (27.11.2003) AU

- (71) Applicant and
- (72) Inventor: KALADELFOS, George [AU/AU]; 17
 Brighton Avenue, Toronto, New South Wales 2283 (AU).
- (74) Agent: FREEHILLS PATENT AND TRADE MARK ATTORNEYS; Level 32 MLC Centre, Martin Place, Sydney, New South Wales 2000 (AU).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

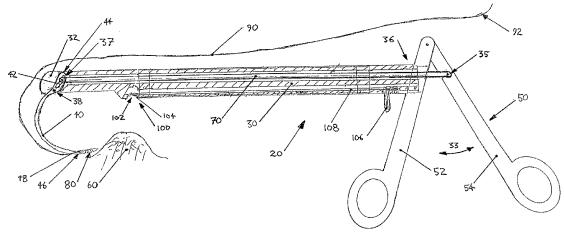
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LIGATURE CARRIER



(57) Abstract: A ligament carrier and suturing device (20) comprising an elongate shaft member having a distal end and a proximal end. A needle carrier (40) is located at or adjacent the distal end of said elongate shaft member, said needle carrier comprising a rigid arcuate tooth member and having a first end and a second end and being pivotable at the first end about an axis which lies transverse to the longitudinal axis of the shaft member (30), the needle carrier adapted to carry a needle (80) with a suture (90) attached thereto. A needle capture means (100) is located on the shaft member, said needle capture device being adapted to engage with and capture needle carried by arcuate tooth. An operating means (50) coupled to the needle carrier and operable to cause the arcuate tooth member to pivot through an arc so that the needle engages with and is captured by the capture device, the operating means being operable from a location at or adjacent said proximal end of the shaft member.

7 7005/051304